

Program Description/Textbook or Print Instructional Material

Vendor: McDougal Littell Inc. (A Houghton Mifflin Co.)
Web Address: www.mcdougallittell.com
Title: Algebra 1: Concepts and Skills
Author: Larson, et al. Copyright: 2001
0-618-05051-5 (survey)/
ISBN: 0-618-10646-4/0-618-10648-0 (Vol. 1/Vol. 2) Course/Content Area: Algebra I
Intended Grade or Level: 8-12 Readability Level: 6.0
\$69.88 (survey)/ \$52.41 (survey)/
List Price: \$52.36 (Vol. 1 & Vol. 2) Lowest Wholesale Price: \$39.27 (Vol. 1), \$39.27 (Vol. 2)

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

Content

Algebra 1: Concepts and Skills presents a straightforward approach to the study of the fundamentals of algebra. The text presents a broad range of algebra topics with a focus on concept development and skills acquisition. Students begin study with the basics, such as variables and exponents, and an introduction to functions. They review properties of real numbers and then work with solving, graphing, and writing linear equations. This sets the stage for work with inequalities and systems. Exponential functions lead to specific of quadratic functions and factoring. The course concludes with rational equations and work with radicals. **This text is also available in accessible electronic format.**

Student Experiences

The *Algebra 1: Concepts and Skills* program has been developed to meet the needs of a wide variety of students. It is appropriate, particularly, for on-level students and students working at less-than-proficient levels that wish to remain in an academic course and have the option of proceeding to geometry. The fundamentals of algebra are supported with abundant practice and comprehensive test preparation. On level content is presented in manageable “chunks”. The program provides a flexible instructional approach that includes opportunities for conceptual development through the use of manipulatives and technology. Lessons incorporate visual approaches – supportive, streamlined explanations with lots of clear, color-coded and diagrammed examples. Students encounter multiple Checkpoints before they begin the practice set. Summary Boxes focus students’ attention to important content and incorporate multiple representations – verbal, algebraic and graphic. Exercise sets offer Guided Practice emphasizing critical vocabulary and skills. Students have access to an abundance of skills practice as well as quality application problems.

Assessment

The text provides a pre-course test, pre-course practice, and an end-of-course test. Every Chapter Study Guide includes a Readiness Quiz. Checkpoint Exercises are integrated after each example. The teacher’s edition provides Closure Questions, Homework Checks, and Mini-Quizzes for every lesson. There are 3 quizzes per chapter and 2 formal tests – one in multiple-choice format. Cumulative practice is provided after every third chapter and there are corresponding cumulative tests in the appropriate Chapter Resource Books.

The Chapter Resource Books also include formal quizzes, 2 chapter tests, an SAT/ACT chapter test, alternative assessments & math journal, and a project with scoring rubric.

Additionally, there is a *Standardized Test Practice Workbook* and the test generator.

Organization

Algebra 1: Concepts and Skills is organized in a single-volume pupil's edition that provides 12 sequential chapters of study. It is intended for one year (two semesters) of academic study or an equivalent block of time. Additionally, a two-year split volume, with appropriate teacher resources, is available for a two-year course of study.

Every chapter opens with a Study Guide designed to review basic vocabulary and skills and prepare students for work in the chapter. A clear, predictable lesson format is used throughout the course. Problem Solving skills are supported by the frequent inclusion of the *Verbal Model for Problem Solving*. *Mixed Review* and *Maintaining Skills* sections provide consistent skills maintenance in every lesson. Standardized Test Preparation is included in every lesson and at the end of each chapter. Cumulative Review is provided in every third chapter. The *Maintaining Skills* page at the end of each chapter review basic skills in preparation for the next chapter.

Each lesson and chapter is supported by a consistent set of resources. The majority of print resources are organized into Chapter Resource Books. Teachers have access to many technological tools to aid instruction, review, and assessment.

Resource Materials

- **Gratis Items To Be Provided And Under What Conditions**

All gratis items are provided upon request when purchasing classroom quantities from McDougal Littell Inc.

Free per classroom teacher: Teacher's Edition, Teacher's Resource Package, Key Skills Review: Preparing for Volume 2, Pacing and Lesson Planning Guide for Volumes 1 & 2, Multi-Language Glossary, Overhead Algebra Tile Kit, Teaching Mathematics Using Technology, Resources in Spanish, Extra Example Transparencies with Standardized Test Practice, Answer Transparencies for Checking Homework, Starting Points: Alternative Lesson Opener's Transparency Package, Instant Replay: Video Review Games, Electronic Teacher Tools CD-ROM, Electronic Lesson Presentations CD-ROM, Time-Saving Test & Practice Generator CD-ROM, www.mcdougallittell.com

Free per school building: Personal Student Tutor CD-ROM with Site License

Free per pupil's edition purchased for the life of the adoption: Practice Workbook with Examples Pupil's Edition

Choice of one per pupil's edition purchased for the life of the adoption: Basic Skills Workbook: Diagnosis and Remediation Pupil's Edition or Standardized Test Practice Workbook Pupil's Edition

- **Available Ancillary Materials**

Student Algebra Tile Kit, Personal Student Tutor CD-ROM, Personal Student Tutor CD-ROM 10 Pack,

RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS

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Evidence of effectiveness is not available at this time.